

M43A1 AUTOMATIC CHEMICAL AGENT DETECTOR
NSN 6665-01-081-8140

Isotope and Activity: Am-241, 9.25 E+06 Bq (250 μ Ci).

Proper Shipping Name/Hazard Class/UN Number:

Radioactive material, excepted package - instruments/7/UN2911.

Chemical and/or Physical Form: Americium oxide, solid.

Construction Form: Special form.

Package Requirements:

Packaging: Packaging meeting the General Design Requirements of 49 CFR 173.410 or the General Packing Requirements of IATA 10.5.3 and 10.3.10 as applicable.

Package Label: Not required.

Package Markings:

- The UN number preceded by the letters "UN."
- The permissible gross weight, if this exceeds 110 pounds (50 kg).
- Full name and address of the shipper and the consignee.
- The full name and address of the shipper and the consignee; the UN number; and gross weight shall be marked on the outside of the package or overpack at least ½ inch (12 mm) high.

Survey Requirements:

Radiation Survey: Required prior to shipment.

- The radiation level at 10 cm (4 inches) from any point on the external surface of any unpackaged instrument or article shall not exceed 0.1 mSv/hr (10 mrem/hr).
- The radiation level at any point on the external surface of the package shall not exceed 0.005 mSv/hr (0.5 mrem/hr).

Contamination Wipe Survey: Performance of the package wipe survey and receipt of analysis results are required prior to shipment.

- The non-fixed radioactive contamination on the external surfaces of the package shall not exceed 2.2 dpm/cm² (alpha).

Additional Requirements: Declared shipments are permitted aboard passenger-carrying aircraft. However, the airlines have the first right of refusal regarding the acceptance of packages containing radioactive materials or other hazardous materials.

Vehicle Placard: Not required.

Certification Requirements: You shall certify this radioactive material for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice must include the name of the consignor or consignee and the statement:

“This package conforms to the conditions and limitations specified in 49 CFR 173.424 for radioactive material, excepted package - instruments, UN2911.”

Additional Comments:

- There is a maximum of 2.0 TBq (54.05 Ci) total activity for Am-241 that you may ship per package.
- You may mail (USPS) up to 2.0 E+11 Bq (5.40 Ci) total activity of Am-241 per package. All other 49 CFR conditions applicable to excepted packages for radioactive instruments, as indicated above, also apply to this USPS shipment.